



Docket No.: 03-011

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/631,872
		Filing Date	07/31/2003
		First Named Inventor	Lucien Alfred Couvillon, Jr.
		Group Art Unit	3737
		Examiner Name	Unassigned
Sheet 1 of 4	Attorney Docket Number	03-011	

Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY
		Number	Class/Subclass		
<i>AL</i>	1.	6,457,365 B1	73/626	Stephens et al.	10/01/2002
	2.	5,651,366	128/662.06	Liang et al.	07/29/1997
	3.	5,268,082	204/282	Oguro et al.	12/07/1993
	4.	5,000,185	128/662.03	Yock	03/19/1991
	5.	6,249,076 B1	310/363	Madden et al.	06/19/2001
	6.	6,109,852	414/1	Shahinpoor et al.	08/29/2000
	7.	5,556,700	428/332	Kaneto et al.	09/17/1996
	8.	5,250,167	204/299	Adolf et al.	10/05/1993
	9.	6,586,859 B2	310/309	Kornbluh et al.	07/01/2003
	10.	6,583,533 B2	310/309	Pelrine et al.	06/24/2003
	11.	6,545,384 B1	310/309	Pelrine et al.	04/08/2003
	12.	5,682,897	128/662.06	Pomeranz	11/04/1997
	13.	5,771,902	128/897	Lee et al.	06/30/1998
	14.	5,855,565	604/104	Bar-Cohen et al.	01/05/1999
	15.	5,865,178	128/660.03	Yock	02/02/1999
	16.	5,897,522	604/20	Nitzan	04/27/1999
	17.	5,938,609	600/439	Pomeranz	08/17/1999
	18.	6,060,811	310/311	Fox et al.	05/09/2000
	19.	6,074,349	600/463	Crowley	06/13/2000
	20.	6,376,971 B1	310/363	Pelrine et al.	04/23/2002
	21.	6,514,237 B1	604/533	Maseda	02/04/2003
	22.	6,543,110 B1	29/25.35	Pelrine et al.	04/08/2003
	23.	5,372,138	128/662.06	Crowley et al.	12/13/1994
<i>✓</i>	24.	US 2002/0120297 A1	607/2	Shaddock	08/29/2002

Examiner Initials*	Cite No. 1	Foreign Patent Document			Date of Publication of Cited Document MM- DD-YYYY	I
		Office 2	Number 4	Class/Subclass		
<i>AL</i>	1.	WO	01/58973 A2	C08G	SRI International	08/16/2001

Examiner Signature	<i>[Signature]</i>	Date Considered	05-12-05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.



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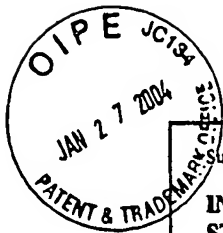
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(use as many sheets as necessary)		Attorney Docket Number	03-011
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	Jose-Maria Sansinena et al., <i>Electroactive Polymer (EAP) Actuators as Artificial Muscles</i> , chap. 7, Conductive Polymers (SPIE Press, 2001), pp. 193-221.	
	2.	David L. Brock, "Review of Artificial Muscle based on Contractile Polymers." www.ai.mit.edu/projects/muscle/papers/memo1330/memo1330.html .	
	3.	Edwin H. Jager et al., "Microfabricating Conjugated Polymer Actuators," <i>Science</i> , Vol. 290, Nov. 24, 2000, pp. 1540-1545.	
	4.	Yoseph Bar-Cohen, "Transition of EAP material from novelty to practical applications - are we there yet?" <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed., Proceedings of SPIE, Vol. 4329, 1-6.	
	5.	American Medical Systems. Important Information for Patients Considering an Acticon Neosphincter. www.fda.gov/oc/irms/dockets/ac/01/briefing/377b1_02_patient%20info .	
	6.	Yoseph Bar-Cohen, Chap. 1, EAP History, Current Status, and Infrastructure, <i>EAP Actuators as Artificial Muscles</i> (SPIE Press, 2001), pp. 3-44.	
	7.	Yoseph Bar-Cohen, ed., <i>Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential, and Challenges</i> , chap. 16: Application of Dielectric Elastomer EAP Actuators. SPIE Press (2001), pp. 457-495.	
	8.	Yoseph Bar-Cohen, ed., <i>Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential, and Challenges</i> , Chap. 21: EAP Applications, Potential, and Challenges. SPIE Press (2001), pp. 615-659.	
	9.	WorldWide ElectroActive Polymers (Artificial Muscles) Newsletter, Vol. 3, No. 1 (June 2001), pp. 1-14	

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Sheet	4	of	4	Attorney Docket Number	03-011

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	10.	John D.W. Madden et al., "Polypyrrole Actuators: Modeling and Performance," <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed., SPIE Proceedings, Vol. 4329 (March 5-8, 2001), pp. 72-83.	
	11.	Ron Pelrine, "Applications of Dielectric Elastomer Actuators," <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed., SPIE Proceedings Vol. 4329 (March 5-8, 2001), pp. 335-349.	
	12.	John D.W. Madden et al., "Conducting Polymer Actuators as Engineering Materials," <i>Smart Structures and Materials 2002: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed, SPIE Proceedings, Vol. 4695 (2002), pp. 176-190.	
	13.	Eniko T. Enikov et al., "Electrotransport and Deformation Model of Ion Exchange Membrane based Actuators," <i>Smart Structures and Materials 2000: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed, SPIE Proceedings, Vol. 3987 (2000), pp.129-139.	
	14.	Rainer W. Gulch et al., "Electrochemical Stimulation and Control of Electroactive Polymer Gels," <i>Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices</i> , Yoseph Bar-Cohen, ed, SPIE Proceedings, Vol. 4329 (2001), pp. 328-334.	
	15.	T. Hagiwara et al., "Enhancement of the Electrical Conductivity of Polypyrrole Film by Stretching: Influence of the Polymerization Conditions," <i>Synthetic Metals</i> , vol. 36 (1990) pp. 241-252.	

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
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				Filing Date	07/31/2003
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				Group Art Unit	3737
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Sheet	2	of	2	Attorney Docket Number	03-011

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	1.	YAMAURA, M., et al., "Enhancement of Electrical Conductivity of Polypyrrole Film By Stretching: Counter Ion Effect," <i>Synthetic Metals</i> , vol. 26 (1988) pp. 209-224.	

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Sheet	1	of	1	Attorney Docket Number	03-011
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